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(21) International application number: PCT/FR99/01525 (22) International filing date: 24 June 1999 (24.06.99) (30) Data relating to the priority: 98/08,171 26 June 1998 (26.06.98) FR (71) Applicant (for all designated States except US): RHODIA CHIMIE [FR/FR]; 25, quai Paul Doumer, F-92408 Courbevoie Cedex (FR). (72) Inventors; and (75) Inventors/Applicants (US only): LABEAU, Marie- Pierre [FR/FR]; Résidence Le Sisley, Appartement 201, 27, avenue André Malraux, F-92300 Levallois- Perret (FR). CASTAING, Jean-Christophe [FR/FR]; 30, rue Pradier, F-75019 Paris (FR). DOBLER, Francis [FR/FR]; 26, rue François Mauriac, F-60180 Nogent-sur-Oise (FR). BONNET-GONNET, Cécile [FR/FR]; 2 ter, passage du Chemin Vert, F-75011 Paris (FR). CHARMOT, Dominique [FR/FR]; 10, rue Colette Audry, F-93310 Le Pré-Saint-Gervais (FR).		(74) Representative: MONCHENY, Michel; Cabinet Lavoix, 2, place d'Estienne d'Orves, F-75441 Paris Cedex 09 (FR). (81) Designated states: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With the International Search Report.

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(54) Title: HEAT THICKENING COMPOSITION FOR COATING BATHS BASED ON A COPOLYMER HAVING A LOW CRITICAL SOLUBILITY TEMPERATURE

(54) Titre: COMPOSITION THERMOEPAISSISSANTE POUR BAINS DE COUCHAGE A BASE D'UN COPOLYMERES POSSEDANT UNE TEMPERATURE CRITIQUE INFERIEURE DE SOLUBILITE

(57) Abstract

The invention concerns a heat thickening composition for coating baths comprising at least a heat-sensitive copolymer, characterised in that said copolymer has a comb structure and consists of a polymeric segment called skeleton segment where to are grafted at least two polymeric lateral segments, identical or different, with either the skeleton segments and/or the lateral segments having a low critical solubility temperature (LCST) ranging between 30 and 80 °C. The invention also concerns a coating bath comprising said composition and their uses for coating paper or cardboard.

